

Title (en)

DISPLAY SUBSTRATE, DISPLAY PANEL, AND DISPLAY DEVICE

Title (de)

ANZEIGESUBSTRAT, ANZEIGETAFEL UND ANZEIGEVORRICHTUNG

Title (fr)

SUBSTRAT D'AFFICHAGE, PANNEAU D'AFFICHAGE ET DISPOSITIF D'AFFICHAGE

Publication

EP 3255484 A1 20171213 (EN)

Application

EP 15834746 A 20150812

Priority

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- CN 2015086757 W 20150812

Abstract (en)

The present disclosure provides a display substrate, a display panel and a display device. The display substrate includes a first base substrate and a filter layer arranged on the first base substrate. The filter layer includes a red-light emission unit, a green-light emission unit and a blue-light transmission unit. The red-light emission unit includes a red quantum dot material capable of emitting red light when it is irradiated by blue light, the green-light emission unit includes a green quantum dot material capable of emitting green light when it is irradiated by the blue light, and the blue-light transmission unit is not covered with a quantum dot material and the blue light is transmitted through the blue-light transmission unit.

IPC 8 full level

G02F 1/1335 (2006.01); **H01L 27/32** (2006.01)

CPC (source: CN EP US)

G02F 1/133514 (2013.01 - CN); **G02F 1/1336** (2013.01 - CN); **G02F 1/133617** (2013.01 - EP US); **H10K 50/841** (2023.02 - US); **H10K 50/86** (2023.02 - US); **H10K 59/38** (2023.02 - CN EP US); **G02B 5/201** (2013.01 - EP US); **G02F 1/133614** (2021.01 - CN US); **G02F 2201/52** (2013.01 - US); **G02F 2202/36** (2013.01 - EP US); **G02F 2203/055** (2013.01 - EP US); **H10K 50/865** (2023.02 - US); **H10K 59/35** (2023.02 - EP US); **H10K 59/8792** (2023.02 - CN EP); **H10K 2102/311** (2023.02 - EP US); **H10K 2102/331** (2023.02 - EP US)

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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